



Tijana Begović

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Gender: Female **Date of birth**: 01/06/1999 **Nationality**: Serbian

ABOUT ME

Teaching assistant at Faculty of Electrical Engineering.

Fast learner, motivated by challenges and eager to improve personal and professional skills. Experienced in C, Embedded programming, Electronics and Mechatronics.

WORK EXPERIENCE

[02/08/2021 – 13/08/2021]

Intern

Mtel a.d. Banja Luka

City: Banja Luka

Country: Bosnia and Herzegovina

I was intern in Technical directorate. During the ten days of internship, I was introduced to basic principles of Internet of Things and LoRaWAN network. I was able to configure different type of sensors and connect them to the network.

[15/02/2023 – Current]

Teaching assistant

University of East Sarajevo, Faculty of Electrical Engineering

City: East Sarajevo

Country: Bosnia and Herzegovina

I am working as teaching assistant at the Department of Automation and Robotics in oral and laboratory classes. I am also involved in research work.

EDUCATION AND TRAINING

[2018 – 2022]

BSc in Electrical Engineering

University of East Sarajevo, Faculty of Electrical Engineering www.etf.ues.rs.ba

Address: Vuka Karadžića 30, East Sarajevo, Bosnia and Herzegovina

Field(s) of study: Engineering, manufacturing and construction: *Electronics and automation*

Final grade: 9.72 **Level in EQF**: EQF level 6

Type of credits: ECTS **Number of credits**: 240

Thesis: Air parameters measurement with STM32 Nucleo microcontroller

[2022 – Current]

MSc in Electrical Engineering

University of East Sarajevo, Faculty of Electrical Engineering www.etf.ues.rs.ba

Address: Vuka Karadžića 30, East Sarajevo, Bosnia and Herzegovina

Field(s) of study: Engineering, manufacturing and construction: *Electronics and automation*

LANGUAGE SKILLS

Mother tongue(s): Serbian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

C,C++ | Arduino, STM32 | Embedded programming | HTML | Matlab

PUBLICATIONS

[2022]

[Selection of SiC MOSFET power switch driver, 2022 21nd International Symposium INFOTEH-JAHORINA \(INFOTEH\), p. 292-297, March 2022, ISBN 978-99976-710-9-7](#)

[2023]

[HTTP web server implementation in air parameters monitoring system, 2023 22nd International Symposium INFOTEH-JAHORINA \(INFOTEH\), March 2023, DOI: 10.1109/INFOTEH57020.2023.10094075](#)

OTHER

Skills

- Focused on problem solving
- Team player
- Dedicated to work
- Reliable
- Good time management

School projects

1. **School of electronics for high school students** - Working as lecturer and coordinator on simple analog electronics projects and projects with Arduino Uno and Making Smart Car model with ultrasonic sensor which allows independent control and navigation of vehicle. Microcontroller was programmed in ArduinoIDE with Cpp language. School was held two years in a row.
 2. **Project for final exam** - I created STM32 based system for humidity and temperature monitoring with BME280 and DHT11 sensors. Microcontroller behaves as http web server. Measurement results are accessible via static IP within LAN network. Microcontroller was programmed in STM32CubeIDE. Worked on programming library for communication with sensors with C language.
 3. **Project for second cycle studies** - I have been currently working on project based on Arduino MKR GSM 1400 board and MaxBotix MB7366 sensor. Main purpose of the project is to create device for remote river level monitoring in order to control flood area.
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